SEQUENCE LISTING

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     gaacgaggag aagaaaaagt ctgggccaac ctctgacaac gaagaggaag atgatgagga
                                                                             300
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      Val Asp Gly Lys Leu Val Lys Ala Ser Phe Ala Pro Ile Ser Phe Ala
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      Ile Lys Ala Met Lys Glu Gly Arg Tyr Thr Val Leu Ala Glu Ser Lys
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      Asp Asp Glu Glu Asp Gly Ser Tyr Leu His Pro Ser Leu Phe Ala Ser
                  100
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      Lys Lys Ser Ser Arg Leu Glu Glu Leu Met Lys Pro Leu Lys Val Val
                                  120
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     Asp Pro Asp His Pro Leu Ala Ala Leu Cys Pro Glu Ser Thr Lys Leu
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                              135
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      Thr Ala His Ser Gln Pro His Pro Asn Leu Gln Glu Trp Gly Pro Arg
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     Ile Met Ala Met Glu Asp Glu Phe Gly Phe Glu Ile Pro Asp Ile Asp
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     gatgcgaagg aagagtgtgg caaggtagaa tcaccccttg cagcgaggtg ctcggctcgc
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                                                                             240
                                                                             300
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     cttgttctaa acttacaatg aaaccagtca gtcaattaga ctaaagttgt tgattccttg
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30
                                                                             420
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      Ser Lys Gln Asn Gly Ser Ser Ala Ser Gln Ile Ser Ser Ala Glu Gly
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     ccgccgggca gaggcgcagg cgcttctgca ggactatgtc agcacacaga gtgctgagga
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     Ala His Ser Leu Arg Ser Ser Pro Ala Trp Gly Gly Val Val Thr Leu
     His Arg Lys Glu Gly Asp Ser Glu Phe Met Asn Ile Ile Ala Asn Glu
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     Ile Gly Ser Glu Glu Thr Leu Leu Phe Leu Thr Val Gly Asp Glu Lys
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     Gly Ala Gly Leu Phe Leu Leu Ala Gly Pro Ala Glu Ala Val Glu Thr
                                      105
     Leu Gly Pro Arg Val Ala Glu Val Leu Glu Gly Lys Gly Ala Gly Lys
              115
                                  120
40
     Lys Gly Arg Phe Gln Gly Lys Ala Thr Lys Met Ser Arg Arg Ala Glu
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                                                   140
     Ala Gln Ala Leu Leu Gln Asp Tyr Val Ser Thr Gln Ser Ala Glu Glu
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15	cca Pro	gcc Ala 5	gct Ala	ggc Gly	ttc Phe	ctt Leu	ccc Pro 10	tca Ser	ctc Leu	ctg Leu	aag Lys	gtg Val 15	ctg Leu	ctc Leu	ctg Leu	cct Pro	10	05
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45	tac Tyr	tat Tyr	gcc Ala	aag Lys	aga Arg 120	gtc Val	ctg Leu	tgt Cys	tcc Ser	cag Gln 125	cca Pro	gtc Val	tct Ser	att Ile	ctc Leu 130	tca Ser	44	11
												gaa Glu					48	39
50	acg Thr	atg Met	acc Thr 150	tcc Ser	ccc Pro	atc Ile	tca Ser	ccc Pro 155	cac His	ttc Phe	aca Thr	gtg Val	aca Thr 160	gaa Glu	cgc Arg	cag Gln	53	37
55												aac Asn 175					58	}5
60												caa Gln					63	13
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	Lys	Gln	Glu	Gln	Gly 200	Val	Glu	His	Arg	Gln 205	Glu	Pro	Thr	Gln	Glu 210	His	
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15	gct Ala	gtg Val 245	tct Ser	cag Gln	ctg Leu	cag Gln	aca Thr 250	gac Asp	tca Ser	gag Glu	ccc Pro	aag Lys 255	ttt Phe	cac His	tct Ser	gaa Glu	825
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45					gac Asp												1209
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